

Genome version 4.5
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OM protein - protein search, using sw model

Run on: November 28, 2001, 19:48:38 Search time 14.52 seconds
(without alignments) 786.927 Million ops/updates/sec

Title: US-09-516-052-2_COPY_28_177

Perfect score: 804
Sequence: 1 RQDDYMPYANVIRIMRKL.....YGVNMDQSMVMGSGRYVN 150

Scoring table: BLOSUM62
Gapop 10.0 / Gapext 0.5

Searched: 219241 seqs, 76174552 residues

Total number of hits satisfying chosen parameters: 219241

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08
Maximum Match 100%
Listing first 45 summaries

Database: PIR-68:
1: pir1:
2: pir2:
3: pir3:
4: pir4:

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Score	Match Length	DB ID	Description
1	804	100.0	208	proteins T26F17.20
2	381	47.4	161	transcription fact
3	366.5	45.6	228	transcription fact
4	364	45.3	179	transcription fact
5	358.5	44.6	178	probable CCAT-box
6	348	42.0	148	hypothetical prote
7	346	41.8	215	probable CCAT-box
8	340	41.0	186	transcription fact
9	322.5	40.1	180	transcription fact
10	322.5	40.1	205	transcription fact
11	322.5	40.1	207	transcription fact
12	322.5	40.1	207	transcription fact
13	318.5	39.6	209	probable CCAT-box
14	312	39.8	173	hypothetical prote
15	295	36.7	139	transcription fact
16	280	34.8	144	transcription fact
17	279.5	34.8	116	transcription fact
18	269	33.5	205	transcription fact
19	224.5	27.9	122	transcription fact
20	166	20.6	162	transcription fact
21	164.5	20.5	175	transcription fact
22	161.5	20.1	176	transcription fact
23	158.5	19.7	159	transcription fact
24	139	17.3	161	transcription fact
25	104.5	13.0	279	transcription fact
26	100	12.4	184	transcription fact
27	94	11.7	67	transcription fact
28	94	11.7	72	transcription fact
29	92.5	11.5	146	transcription fact

30	92	11.4	67	2	S71485	histone-like prote
31	88	10.9	68	2	G69209	histone related pr
32	88	10.9	210	2	T40369	histone H4/Al - Me
33	86	10.7	68	2	G69693	histone H4/Al - Me
34	83	10.3	67	2	A64321	archaeal histone
35	83	10.3	67	2	F75148	histone-like prote
36	82	10.2	69	2	A35659	archaeal histone H
37	82	10.2	70	2	F71188	probable archaeal
38	82	10.2	150	2	G84173	archaeal histone A
39	81	10.1	627	2	B71709	hypothetical prote
40	80.5	10.0	154	2	A81184	hypothetical prote
41	79	9.8	67	2	D64416	archaeal histone
42	79	9.8	527	2	H76700	hypothetical prote
43	78	9.7	69	2	T48848	histone H4/Al - Me
44	78	9.7	69	2	A47046	histone-related pr
45	78	9.7	462	2	A40552	bindin fertilizati

ALIGNMENTS

RESULT 1

protein T26F17.20 [imported] - Arabidopsis thaliana
C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 02-Mar-2001 #sequence, position 02-Mar-2001 #text, change 31-Mar-2001
C:Accession: G86352

R:Proteolysis, A.: Becker, J.R.; Faim, G.J.; Fedirskij, N.A.; Kahl, S.; White, O.; Alon
Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.P.; Crossy, J.L.; Dewar,
Anson, N.F.; Hughes, B.; Huzar, L.

Nature 408, 816-820, 2000
A:Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Kuan, S.; Kuylen, F.; Kim,
C.A.; Li, J.H.; Liu, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marzid
Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.

A:Authors: Salzberg, S.L.; Schwartz, J.P.; Shinn, P.; Southwick, A.M.; Sun, B.; Tallo
ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venturi, J.C.; Davis, R.W.
A:Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A:Reference number: A81411, MIMD:21016719

A:Accession: G86352
A:Status: preliminary
A:Molecule type: DNA
A:Accession: G86352

A:Cross-references: GB:AT005172, MIMD:2552782; PIR:AAAF6537 1; GSPDB:GN00141

C:Genetics:
A:Map position: 1

A:Map position: 1

Query Match 100.0%; Score 804; DB 2; Length 208;
Best local similarity 100.0%; Prod. No. 2.6e-66;
Matches 150; Conserved: 0; Mismatches 0; Gaps 0;

QY 1 SGLDYMPLANVIRIMRKLISAKISDEAKK:GDGVSEYISFVCPANPCPPPKT 60
|||||
DU 46 RQDDYMPYANVIRIMRKLISAKISDEAKK:GDGVSEYISFVCPANPCPPPKT 87
|||||
QY 91 IIAEDILMAKMSKSLDNYVDELIVINATREIETRGSLPEPSPSLPQYVGN:IGRRG 120
|||||
DU 68 IIAEDILMAKMSKSLDNYVDELIVINATREIETRGSLPEPSPSLPQYVGN:IGRRG 147
|||||
QY 121 PSHGLPFPQYGMDSVMGSGRYVN 150
|||||
DU 148 PSHGLPFPQYGMDSVMGSGRYVN 177
|||||

RESULT 2

G71407
transcription factor, CCAT-binding, chain A - Arabidopsis thaliana
N:Alternate names: protein D6310W
C:Species: Arabidopsis thaliana (mouse ear cress)

A:Variety: columbia
C:Accession: G71407
C:Accession: G71407

Db 114 INGHLLPAMSTLQPNVSRVKKYCKRYF-----SKGE 149

RESULT 14

G84919

probable GNAI-box binding transcription factor [imported] Arabidopsis thaliana

C:Species: Arabidopsis thaliana (mouse-ear cress)

C:Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 02-Feb-2001

C:Accession: G84919

C:Title: X. Kaul, S. Kousky, A. P. Sheng, T. F. Pfeiffer, M. J. Taylor, C. D. Fujita, C. Y. M. Koo, H. J. Molitor, K. S. Chong, L. A. Shen, M. J. Vardavas, S. H. Dayan, L. J. Tallon, J. Cuss, D. J. Nierman, W. C. White, O. J. Eisen, J. A. Salzman, S. J. Fraser, C. M. J. Venter, J. Nature 402:761-768, 1999

A:Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.

A:Reference number: A84420; M0-D:20083487

A:Accession: G84919

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-160 SSTD

A:Cross references: DB:AF022293, M0-D:4772293, F10N:AA67636.1, GSTP: *M00139

C:Genetics:

A:Gene: At2g47810

A:Map position: 2

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A:Map position: 2

A:Map position: 2

A:Map position: 2

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Search completed: November 28, 2001, 19:50:49
 db time: 131 sec

QY 2 PGGVMPYANVPIIMPKLIFSHAKISFAKETIGCVSFYISFVTFANPFGPPPKT 61
 DB 3 DEDRLPIANVGPZMKZILFSNATSPFAKTVGQATFPIISFVTFANPFGPPPKT 62

QY 62 TAEILLNMSKICFDNYVPLVPIINPELEETPGFANPPPS 106
 DB 63 NCPDIPWALSTICLNNVADAVGPHLHKKYFAFPEPTCHNKGSND 107

RESULT 15

G86222

hypothetical protein [imported] - Arabidopsis thaliana

C:Species: Arabidopsis thaliana (mouse-ear cress)

C:Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 21-Mar-2001

C:Accession: G86222

C:Title: A. J. Ecker, J. R. Palm, C. J. Federle, N. A. J. Kaul, S. J. White, O. J. Alonzo, C. M. J. Chung, M. K. J. Conn, L. J. Conway, A. B. J. Conway, A. R. J. Conway, T. H. J. Dewar, K. J. Jensen, N. F. J. Hughes, B. J. Hulzar, L. Nature 408:816-820, 2000

A:Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.

A:Reference number: A86141; M0-D:21016719

A:Accession: G86222

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-149 SSTD

A:Cross references: DB:AF005172, M0-D:4792261, F10N:AA67636.1, GSTP: *M00139

C:Genetics:

A:Gene: At2g47810

A:Map position: 2

A:Map position: 2

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A:Map position: 2

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